P802.1Qcc

This PAR is valid until 31-Dec-2017.
PAR Extension Request Date: 14-May-2017
Extension Request Submitter Email: glenn.parsons@ericsson.com
Number of Previous Extensions Requested: 0
1. Number of years that the extension is being requested: 2
2. Why an Extension is Required (include actions to complete): Due to requests for in-scope features, the project has taken
longer than expected. For the Working Group ballot that
closed on April 28 2017, feature requests were limited, and
the ballot achieved an 81% approval
Actions to complete: We anticipate one (possibly two)
Working Group recirculation ballots before proceeding to
Sponsor Ballot.

3.1. What date did you begin writing the first draft: 01-Jan-2014
3.2. How many people are actively working on the project: 25
3.3. How many times a year does the working group meet?
  In person: 6
  Via teleconference: 12
3.4. How many times a year is a draft circulated to the working group: 3
3.5. What percentage of the Draft is stable: 90%
3.6. How many significant work revisions has the Draft been through: 12
4. When will/did initial sponsor balloting begin: 01-Dec-2017
When do you expect to submit the proposed standard to RevCom: 01-Oct-2018
Has this document already been adopted by another source? (if so please identify): No

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For an extension request, the information on the original PAR below is not open to modification.

Submitter Email: tony@jeffree.co.uk
Type of Project: Amendment to IEEE Standard 802.1Q-2011
PAR Request Date: 22-Jul-2013
PAR Approval Date: 21-Oct-2013
PAR Expiration Date: 31-Dec-2017
Status: PAR for an Amendment to an existing IEEE Standard

1.1 Project Number: P802.1Qcc
1.2 Type of Document: Standard
1.3 Life Cycle: Full Use

2.1 Title: Standard for Local and metropolitan area networks--Media Access Control (MAC) Bridges and Virtual Bridged Local Area
Networks Amendment: Stream Reservation Protocol (SRP) Enhancements and Performance Improvements

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3.1 Working Group: Higher Layer LAN Protocols Working Group (C/LM/WG802.1)
Contact Information for Working Group Chair
  Name: Glenn Parsons
  Email Address: glenn.parsons@ericsson.com
  Phone: 613-963-8141
Contact Information for Working Group Vice-Chair
  Name: John Messenger
  Email Address: jmessenger@advaoptical.com
  Phone: +441904699309

3.2 Sponsoring Society and Committee: IEEE Computer Society/LAN/MAN Standards Committee (C/LM)
Contact Information for Sponsor Chair
  Name: Paul Nikolich
  Email Address: p.nikolich@ieee.org
  Phone: 8572050050
Contact Information for Standards Representative

Name: James Gilb
Email Address: gilb@ieee.org
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4.1 Type of Ballot: Individual
4.2 Expected Date of submission of draft to the IEEE-SA for Initial Sponsor Ballot: 02/2017
4.3 Projected Completion Date for Submittal to RevCom
Note: Usual minimum time between initial sponsor ballot and submission to Revcom is 6 months.: 10/2017

5.1 Approximate number of people expected to be actively involved in the development of this project: 25
5.2.a. Scope of the complete standard: This standard specifies Media Access Control (MAC) Bridges that interconnect individual Local Area Networks (LANs), each supporting the IEEE 802 MAC service using a different or identical media access
control method, to provide Bridged Local Area Networks and Virtual LANs (VLANs).

5.2.b. Scope of the project: This amendment describes new protocols, procedures and managed objects for bridges and end stations, which are compatible with existing mechanisms, and provide:
- Support for more streams. The current worst case limit is less than 500 streams; there are use cases that require two orders of magnitude greater than this.
- Mechanisms that allow Stream Reservation class (SR class) parameters to be configured
- Inclusion of additional parameters and mechanisms in the stream reservation protocol that support additional applications, such as higher reliability, latency requirements, and latency changes due to network reconfiguration.
- Support for higher layer streaming sessions, such as Real-Time Protocol (RTP)-based sessions.
- Deterministic stream reservation convergence.
- User Network Interface (UNI) for routing and reservations.

5.3 Is the completion of this standard dependent upon the completion of another standard: No
5.4 Purpose: MAC Bridges, as specified by this standard, allow the compatible interconnection of information technology equipment attached to separate individual LANs.

5.5 Need for the Project: The first generation of the Stream Reservation Protocol (SRP) has been accepted by the Professional, Industrial, Consumer, and Automotive markets. This set of enhancements extends the capabilities of SRP as requested by those markets.

5.6 Stakeholders for the Standard: Developers, providers, and users of networking services and equipment for Professional, Industrial, Consumer electronics, and Automotive networking.

Intellectual Property
6.1.a. Is the Sponsor aware of any copyright permissions needed for this project?: No
6.1.b. Is the Sponsor aware of possible registration activity related to this project?: No

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7.1 Are there other standards or projects with a similar scope?: No
7.2 Joint Development
   Is it the intent to develop this document jointly with another organization?: No

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8.1 Additional Explanatory Notes: Additional explanatory material can be found in the "5 Criteria" document that accompanied this draft PAR when it was approved for forwarding to NesCom by the LMSC: http://ieee802.org
/1/files/public/docs2013/new-p802-1qcc-draft-5c-0513-v2.pdf